

IN THE CLAIMS:

Claims 24 - 36 have been added. Claims 1, 2, 9 - 13, 15, and 21-23 have been amended, as follows:

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1. (Twice Amended) An audio system comprising:

an audio device;

a computer for creating computer audio data and control data for operating the audio device; and

data transmission means for linking the audio device and the computer together to transmit data therebetween,

wherein said computer has an output for outputting the computer audio data and the control data to the audio device via the data transmission means,

and wherein said audio device includes

a first system portion for processing audio source audio data that is provided by an audio source other than the computer,

a second system portion for processing the computer audio data created by the computer, and

mixing means for performing mixing of the audio source audio data and the computer audio data, which are respectively processed by the first and second sound system portions.

2. (Twice Amended) An audio system comprising:

an audio device;

a computer for creating computer audio data and control data for operating the audio device; and

data transmission means for linking the audio device and the computer together to transmit data therebetween,

wherein said computer has an output for outputting the computer audio data and the control data to the audio device via the data transmission means,

and wherein said audio device includes

a first system portion for performing signal processing on the computer audio data from the computer, or for performing the signal processing on audio source audio data of an audio source different from the computer audio data, or the audio source audio data selectively provided by one of a plurality of audio sources different from the computer,

a second system portion for performing simple signal processing, which is simple as compared with the signal processing of the first system portion, on the computer audio data created by the computer,

mixing means for performing mixing of the audio source audio data and the computer audio data, which are respectively processed by the first and second system portions, and

means for turning off the mixing of the mixing means when the first system portion performs the signal processing selectively on the computer audio data of the computer.

9. (Twice Amended) An audio device comprising
at least one audio source;
a digital interface for inputting computer audio data supplied from a
computer,

audio processing means for processing audio source audio data provided by the audio source and the computer audio data provided by the computer;

digital mixing means for performing digital mixing between the audio source audio data processed by the audio processing means and the computer audio data; and

speaker means for producing sound based on output of the mixing means.

10. (Twice Amended) An audio device comprising:

input means for inputting audio source audio data supplied from an audio source different from a computer;

a digital interface for inputting computer audio data supplied from the computer;

digital mixing means for performing digital mixing between the audio source audio data input by the input means and the computer audio data which is input thereto via the interface; and

speaker means for producing sound based on output of the mixing means.

11. (Twice Amended) A machine readable media for storing an audio control program that causes a computer to actualized an audio control system comprising:

graphical user interface means for operating the audio device, the graphical user interface means actualizing an operation to select an audio source for the audio device and

an operation to perform mixing on audio source audio data of the selected audio source and computer audio data created and provided by the computer;

means for outputting control data to the audio device via an external serial bus means on the basis of operation of the graphical user interface means;

means for receiving information regarding operation of the audio device as the control data via the external serial bus means so as to reflect the control data in content of graphical user interface; and

means for outputting the computer audio data to the audio device via the external serial bus means.

12. (Twice Amended) An audio system, comprising:

an audio device for producing first audio data in connection with at least one audio source,

external serial bus means, and

a personal computer, for creating second audio data and control data,

wherein the audio device performs mixing between the first audio data and the second audio data, which is transmitted thereto via the external serial bus means, on the basis of the control data, so that speaker means produces sound based on mixing results.

13. (Twice Amended) An audio system, comprising:

an audio device for producing first audio data in connection with at least one audio source,

external serial bus means, and

a personal computer, for creating second audio data and control data,

wherein the audio device further includes selection means for selecting one of the first audio data and the second audio data, which is transmitted thereto via an external serial bus means, signal processing means for performing signal processing on output of the selection means, first digital-to-analog conversion means for converting output of the signal processing means to first analog signals, second digital-to-analog conversion means for converting the second audio data from the personal computer to second analog signals, and analog mixing means for performing analog mixing between the first analog signals and the second analog signals, whereby speaker means produces sound based on the result of the analog mixing.

15. (Twice Amended) An audio system, comprising:

an audio device for producing first audio data in connection with at least one audio source,
external serial bus means, and
a personal computer, for creating second audio data and control data,
wherein the audio device further includes selection means for selecting one of the first audio data and the second audio data, signal processing means for performing signal processing on output of the selection means, adjustment means for performing adjustment on the second audio data with respect to sampling parameters, digital mixing means for performing digital mixing between output of the signal processing means and output of the adjustment means, and digital-to-analog conversion means for converting result of the digital mixing to analog signals, and speaker means for producing the sound based on the

analog signals.

21. (Amended) An audio system, comprising:

an audio device;

a computer for creating computer audio data and control data for
operating the audio device;

data transmission means to allow communications between the computer
and the audio device;

wherein said computer has output means for outputting the computer
audio data and the control data to the audio device via the data transmission
means,

while said audio device includes

a first system portion including selection means for selecting one of audio
device audio data and the computer audio data, signal processing means for
performing signal processing on output of the selection means, first digital-to-
analog conversion means for converting output of the signal processing means
to first analog signals,

a second system portion including second digital-to-analog conversion
means for converting the computer audio data given from the personal computer
to second analog signals, and

analog mixing means for performing analog mixing between the first
analog signals and the second analog signals.

22. (Amended) An audio device comprising:

at least one audio source;

an interface for inputting computer audio data created by and supplied from a computer;

audio processing means for processing audio source audio data provided by the audio source and the computer audio data from the computer wherein the audio device further includes selection means for selecting one of the audio source audio data and the computer audio data, signal processing means for performing signals processing on output of the selection means, first digital-to-analog conversion means for converting output of the signal processing means to first analog signals;

analog mixing means for performing mixing between the first analog signals and the computer audio data which is input thereto via the interface.

23. (Amended) An audio device comprising:

input means for inputting audio source audio data supplied from an audio source different from a computer;

interface for inputting computer audio data created by and supplied from the computer;

selection means for selecting one of the audio source audio data and the computer audio data;

signal processing means for performing signal processing on output of the selection means;

first digital-to-analog conversion means for converting output of the signal processing means to first analog signals;

second digital-to-analog conversion means for converting the computer

audio data from the personal computer to second analog signals,
analog mixing means for performing mixing between the first analog
signals and the second analog signals; and
speaker means for producing sound based on output of the mixing
means.

24. (New) An audio system, comprising:

a computer;

an audio device;

data communications means for allowing communications between the computer
and the audio device, wherein

said computer includes means for outputting control data for controlling the audio
device and for outputting audio data to the audio device via the data communications
means,

means for displaying an operation panel for controlling the audio device,

means for outputting the control data to the audio device via the data
communications means based on operation of the operation panel;

means for receiving information regarding operation of the operation panel via
the data communications means as the control data, thus providing the control data to
the operational panel; and

means for outputting the audio data to the audio device via the data
communications means, wherein

said audio device includes mixing means for mixing the audio data supplied from
the computer together with other audio data given from a different audio source.

25. (New) A control method for an audio device, comprising:
- creating a graphic user interface for controlling the audio device to allow selection of an audio source with respect to an audio device and to allow mixing of audio data of the selected audio source together with other audio data created by a computer;
 - outputting control data to the audio device based on operation of the graphical user interface;
 - receiving information regarding operation of the graphical user interface as the control data, and providing the control data to the graphical user interface; and
 - outputting the audio data to the audio device.
26. (New) A program code storage device, comprising:
- a machine-readable storage medium; and
 - machine-readable program code, stored on the machine-readable storage medium, the machine-readable program code having instructions to
- create a graphic user interface for controlling the audio device, to allow selection of an audio source with respect to the audio device, and to allow mixing of audio data of the selected audio source together with other audio data given from a computer;
 - output control data to the audio device based on operation of the graphic user interface;
 - receive information regarding operation of the graphic user interface as the control data, and provide the control data to the graphic user interface; and
 - output the audio data to the audio device.

27. (New) The audio system of claim 1, wherein the data transmission means transmits digital data between the audio device and the computer, and the mixing means is a digital mixing means that performs digital mixing of the audio source audio data and the computer audio data.

28. (New) The audio system of claim 2, wherein the data transmission means transmits digital data between the audio device and the computer, and the mixing means is a digital mixing means that performs digital mixing of the audio source audio data and the computer audio data.

29. (New) The machine readable media of claim 11, wherein the mixing performed is digital mixing, the control data is output digitally via the external serial bus means, and the computer audio data is output digitally via the external serial bus means.

30. (New) The audio system of claim 12, wherein the audio data performs digital mixing of the first audio data and the second audio data.

31. (New) The audio system of claim 13, wherein the external serial bus means transmits the second audio data and the control data digitally.

32. (New) The audio system of claim 15, wherein the external serial bus means transmits the second audio data and the control data digitally.

33. (New) The audio system of claim 21, wherein the data transmission means transmits the computer audio data and the control data digitally to the audio device.

34. (New) The audio device of claim 22, wherein the interface for inputting computer audio data is a digital interface.

35. (New) The audio device of claim 23, wherein the interface for inputting computer audio data is a digital interface.

36. (New) The audio system of claim 24, wherein the data communications means allows digital communications between the computer and the audio device, and the mixing means is a digital mixing means for mixing the audio data supplied from the computer together with other audio data given from a different audio source.